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05

RESEARCH IN FLUID MECHANICS: FLOWS

Fluid mechanics, like many other fields of mechanics, has two faces: the fundamental one and the applied one. Fundamental research is mainly done at universities, much of the applied research can be found in institutes and in industry. But this division is not strict and especially in the 1950s, 1960s and 1970s fundamental research could also be found outside the academic world. As for the more fundamental studies, all kinds of flows been in the focal point and in this chapter for several of these examples from Dutch research are presented. The flows have been subdivided among three categories: single-phase flows, flows related to the field of rheology, and two-phase flows. Today, the fluids and flows in the last two categories are also indicated as 'complex fluids' and 'complex flows':